

KOP-COAT, INC  
 MARINE GROUP EAST  
 36 PINE STREET  
 ROCKAWAY  
 NJ 07866

EMERGENCIES

HEALTH/SPILLS.....: 800-548-0489  
 CHEMTREC ASSISTANCE: 800-424-9300  
 CHEMTREC OUTSIDE US: 703-527-3887  
 CANUTEC.....: 613-996-6666

KOP-COAT, INC

PRODUCT INFORMATION: 800-221-4466  
 OUTSIDE USA.....: 973-625-3100

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 1 PRODUCT IDENTIFICATION  
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PRODUCT NAME: 1675 Trinidad Red  
 PRODUCT USE.: Antifouling bottom paint  
 APPEARANCE..: Red liquid with hydrocarbon odor  
 CAS NUMBER..: Mixture  
 SYNONYMS....: None

REVISION...: 5  
 DATE.....: 7/23/08  
 MSDS NUMBER: 1167500

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 2 HAZARDOUS INGREDIENTS  
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<u>HAZARDOUS COMPONENT</u>	<u>REG AGENCY</u>	<u>PPM</u>	<u>NOTES</u>	<u>MG/M3</u>	<u>NOTES</u>
Ethylbenzene	ACGIH STEL	125		543	
CAS NUMBER:100-41-4	ACGIH-TWA	100		434	
PERCENT BY WGT: < 1	NIOSH	100		435	
	NIOSH STEL	125		545	
	OSHA STEL	125		545	
	OSHA TWA	100		435	
Cupric oxide			(None established.)		
CAS NUMBER:1317-38-0					
PERCENT BY WGT: 1 TO 5					
Cuprous oxide (as Cu dust and mists)	ACGIH-TLV			1.0	
	OSHA-TWA			1.0	
CAS NUMBER:1317-39-1					
PERCENT BY WGT: 75 TO 80					
Xylene	ACGIH STEL	150		651	
CAS NUMBER:1330-20-7	ACGIH-TWA	100			
PERCENT BY WGT: 1 TO 5	NIOSH	100		435	
	NIOSH STEL	150		655	
	OSHA STEL	150		655	
	OSHA TWA	100		435	

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 2 HAZARDOUS INGREDIENTS  
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HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
Petroleum distillates CAS NUMBER:64742-94-5 PERCENT BY WGT: 5 TO 10	ACGIH TLV OSHA PEL	100 500	STS STS		
Petroleum distillates CAS NUMBER:64742-95-6 PERCENT BY WGT: 1 TO 5	ACGIH TLV OSHA-PEL	100 500	STS STS		
Copper (as Cu dusts & mists) CAS NUMBER:7440-50-8 PERCENT BY WGT: 1 TO 5	ACGIH TWA NIOSH OSHA TWA	- - -		1 1 1	
Dibutyl Phthalate CAS NUMBER:84-74-2 PERCENT BY WGT: 1 TO 5	ACGIH TWA NIOSH OSHA-TWA	- - -		5 5 5	
Naphthalene CAS NUMBER:91-20-3 PERCENT BY WGT: < 1	ACGIH STEL ACGIH TWA OSHA STEL OSHA TWA	15 10 15 10		79 52 75 50	

NOTES:

STS) Recommend that exposure limits for stoddard solvent be used as a guideline.

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 3 HAZARDS IDENTIFICATION  
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EMERGENCY OVERVIEW: WARNING! Combustible liquid and vapor. Harmful or fatal if swallowed or inhaled. May cause eye, skin and respiratory tract irritation.

EYES: May cause eye irritation. Not expected to cause permanent damage if promptly rinsed from eyes.

SKIN: May cause skin irritation. Prolonged and/or repeated skin contact may cause irritation characterized by redness, cracking and blistering. May be absorbed in toxic amounts through the skin and cause systemic effects.

INHALATION: May cause respiratory tract irritation. Exposure to high concentrations may cause central nervous system effects, including headache, drowsiness, nausea, and dizziness.

INGESTION: May cause gastrointestinal disturbances such as nausea, vomiting, diarrhea, and effects similar to those described in INHALATION. Aspiration of this product into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

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3 HAZARDS IDENTIFICATION  
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CHRONIC: Reports have associated repeated or prolonged occupational exposure to solvents with permanent brain or nervous system damage, liver and kidney damage or may cause cardiac arrhythmia. Ethylbenzene and naphthalene are classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in laboratory animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing disease in or a history of ailments involving the nervous system, liver, kidney, respiratory system or eyes are at a greater risk of developing adverse effects when exposed to this material.

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4 FIRST AID MEASURES  
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EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing the eye. Contact a poison control center for treatment advice.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

INGESTION: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

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5 FIRE FIGHTING MEASURES  
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FLASH POINT: 115 F/46 C

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray or foam.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel.

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5 FIRE FIGHTING MEASURES  
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FIRE AND EXPLOSION HAZARDS: Can release vapors that form explosive mixtures. Vapors can travel to a source of ignition and flash back. Closed containers may explode when exposed to extreme heat (fire). Toxic vapors may be given off in a fire.

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6 SPILL AND LEAK PROCEDURES  
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Stop spill/leak if no risk involved. Avoid breathing vapors. Eliminate ALL sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate area. Take up carefully to avoid heat and sparks. Use an inert absorbent to complete a clean-up. This material reacts with oxidizing materials. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

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7 HANDLING AND STORAGE  
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HANDLING: Avoid breathing of vapors, mists or fumes. Do not get on skin, in eyes or on clothing. Spray paint in accordance with OSHA 29 CFR 1910.107. Use with adequate ventilation. Wash thoroughly after handling.

STORAGE: Store in areas/buildings designed to comply with OSHA 1910.106. Keep in a closed, labeled container within a cool (well-shaded), dry, ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

OTHER: Keep away from heat and open flame. If post application/use processing of this product generates dust or if spray application is made, " Exposure Limits " in Section 2 apply. Do not use until manufacturer's precautions have been read/understood. Containers of this material may be hazardous when empty. Since emptied containers retain product residues (vapor, liquid), all hazard precautions given in the data sheet must be observed. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY CAN EXPLODE AND CAUSE INJURY OR DEATH. All five gallon pails and larger containers, should be grounded and/or bonded when material is transferred.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION  
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ENGINEERING CONTROLS: Ventilation (general and/or local exhaust) is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Ventilation rates should be matched to use conditions. Supplementary local exhaust ventilation may be needed in poorly ventilated spaces or during spraying.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne exposure concentrations to an acceptable level, wear an appropriate, properly fitted respirator (NIOSH/MSHA-approved or equivalent) during and after sanding and application. Respirator selection, use and maintenance should be in accordance with the requirements in 29 CFR 1910.134 and NIOSH 42 CFR 84, whenever workplace conditions warrant a respirator's use.

EYE PROTECTION: Industrial safety glasses minimum, goggles, faceshield, as necessary.

HAND PROTECTION: Chemical-resistant, flexible-type gloves (heavy duty neoprene or equal) to prevent contact. Gloves should be rinsed and removed immediately after use. Wash hands after removing gloves.

SKIN PROTECTION: Wear industrial-type work clothing, which may include long-sleeved shirt and long pants, chemical-resistant apron, footwear and socks. OTHER: Facilities utilizing this material should be equipped with an eyewash station and safety shower. Thoroughly clean shoes and wash contaminated clothes before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Weight Per Gallon (lbs): 24.540 % VOL by Weight.: 12.0
Vapor Density.: (air=1)>1 Boiling Point...: Not determined
Vapor Pressure: Not determined Evaporation Rate: (ether=1)<1
pH.....: Not determined Specific Gravity: 2.946
Solubility In Water: Negligible Viscosity.....: Not determined
VOC Content.....: 356 g/L

10 STABILITY AND REACTIVITY DATA

STABILITY: This material is stable.
HAZARDOUS POLYMERIZATION: None
INCOMPATIBILITY: Avoid acids, reducing agents, oxidizing agents, chlorates, bromates, potassium nitrate, hydrogen peroxide, heat, sparks and open flame.
HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide, noxious copper compounds, and irritating vapors of acetic acid and other toxic organic compounds during fires.

11 TOXICOLOGICAL INFORMATION

No additional information. See Section 3 for health hazards.

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 12 ECOLOGICAL INFORMATION  
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This material is toxic to fish. Do not apply directly to water by cleaning of equipment or disposal of wastes. Do not allow chips and dust generated during paint removal to enter water. Dispose of paint debris in an approved landfill. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans and other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent to sewer system without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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 13 DISPOSAL CONSIDERATIONS  
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Dispose of unusable product in accordance with local, state and federal regulations.

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 14 TRANSPORTATION INFORMATION  
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DEPARTMENT OF TRANSPORTATION REPORTABLE QUANTITIES

REPORTABLE QTY (LBS)	HAZARDOUS SUBSTANCE
100	Xylene
10	Dibutyl Phthalate
100	Naphthalene

Shipment by Ground-Domestic:  
 Combustible liquid - Exempt from DOT Regulations in non-bulk (< 119 gallons) containers.

Shipment by Air:  
 PROPER SHIPPING NAME: UN1263, Paint, Class 3, PG III  
 LABEL: Flammable liquid

Shipment by Sea:  
 PROPER SHIPPING NAME: UN1263, Paint, Class 3, PG III, MARINE POLLUTANT (cuprous oxide)

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 15 REGULATORY INFORMATION  
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SARA TITLE III SECTION 313 CHEMICALS

Ethylbenzene  
 Cupric oxide  
 Cuprous oxide (as Cu dust and mists)  
 Xylene

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15 REGULATORY INFORMATION  
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Copper (as Cu dusts & mists)  
Dibutyl Phthalate  
Naphthalene

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

EPA Registration Number 60061-50.

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16 OTHER INFORMATION  
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Ethylbenzene is considered a Group 2B carcinogen (possibly carcinogenic to humans). This category generally includes agents for which there is limited evidence in humans in the absence of sufficient evidence in experimental animals.

NOTICE: This document is generated for the purpose of distributing health, safety and environmental data. The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. Kop-Coat makes no warranty with respect thereto and disclaims all liability from reliance thereon.

PREPARED BY: Manager of Health, Safety and Environmental Affairs

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